CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No : CTCE/BBMP/KRIDL/W.No.14/Steel/2016-17 06.02.2017

TEST REPORT ON REINFORCEMENT STEEL

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of work	:	Improvements to CC roads and drains 11th Cross near Govt. Higher primary school Bhuvaneshwari Nagara Bagalagunte in Ward No.14, BBMP, Bangalore.
* Reference	:	EE/DD/W.O/116/2016-17 Dated: 28.01.2017
* Samples ID	:	12 mm Bar
Technical Reference	:	IS: 1786-2008
Date of Testing	:	06.02.2017

Sl No	Nominal size (dia) (mm)	Mass per metre (Kg/mtr)	TENSILE STRENGTH			Bend Test	Rebend Test
			0.20% proof stress/Yield stress N/mm2	Tensile strength (Ultimate stress) N/mm2	Elongation percent gauge length		
1	12	0.89	515	517	13.4	O.K	O.K

*Information is furnished by the Customer/Representative.

Note:

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⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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Shakthi Ganapathinagar,
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T-2377

Job No.: CTCE/BBMP/KRIDL/W.No.14/CSR-02/261d/Cube/2016-17 09.03.201

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Improvements to CC roads and drains 11th Cross near Govt. Higher primary school Bhuvaneshwari Nagara Bagalagunte in Ward No.14, BBMP, Bangalore
* Reference	:	EE/DD/W.O/116/2016-17 Dated: 28.01.2017
* Sample ID	:	RCC Drain Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	09.03.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	09.02.2017	09.03.2017	8.102	480.3	21.35
2	09.02.2017	09.03.2017	8.265	490.5	21.80
3	09.02.2017	09.03.2017	8.305	506.3	22.50

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Technical Manager

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T-2377

Job No.: CTCE/BBMP/KRIDL/W.No.14/CSR-02/261d/Cube/2016-17 09.03.20

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Improvements to CC roads and drains 11th Cross near Govt. Higher primary school Bhuvaneshwari Nagara Bagalagunte in Ward No.14, BBMP, Bangalore
* Reference	:	EE/DD/W.O/116/2016-17 Dated: 28.01.2017
* Sample ID	:	RCC Drain Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	09.03.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	09.02.2017	09.03.2017	8.198	475.5	21.13
2	09.02.2017	09.03.2017	8.265	486.3	21.61
3	09.02.2017	09.03.2017	8.336	504.2	22.41

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Job No.: CTCE/BBMP/KRIDL/W.No.14/CSR-02/261d/Cube/2016-17 11.03.20

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Technical Reference	:	IS: 516-1959 (RA-2013)
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Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	11.03.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.02.2017	11.03.2017	8.125	478.3	21.26
2	11.02.2017	11.03.2017	8.226	492.5	21.89
3	11.02.2017	11.03.2017	8.302	512.6	22.78

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* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	11.03.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.02.2017	11.03.2017	8.128	475.5	21.13
2	11.02.2017	11.03.2017	8.229	492.3	21.88
3	11.02.2017	11.03.2017	8.337	502.6	22.34

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